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This listing of claims replaces all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

- 1. (Currently Amended) A data cartridge magazine for use in a magazine-based data cartridge library that is capable of transporting data cartridge magazines within the library, the data cartridge magazine comprising: a box structure with an interior space for accommodating a plurality of data cartridges; wherein said box structure comprises a bottom wall with a bottom wall interior surface and a bottom wall exterior surface; wherein said box structure comprises a side wall that is operatively attached to said bottom wall, extends from said bottom wall to a side wall terminal edge, and has a side wall interior surface and a side wall exterior surface; wherein said bottom wall interior surface and said side wall interior surface define said interior space; wherein said side wall terminal edge defines a top opening for the insertion/extraction of data cartridges into/from said interior space; a plurality of partitioning structures for dividing said interior space into a plurality of slots with each of said plurality of slots capable of accommodating a one of said plurality of data cartridges; and a magazine transport means for being engaged by a portion of a magazine transport device that is associated with a said magazine-based data cartridge library and used to displace a said data cartridge magazine towards and away from a storage location within a said magazine-based data cartridge library.
- 2. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 1, wherein: said magazine transport means comprises a hole that is associated with one of said bottom wall and said side wall.
- 3. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, wherein: said magazine transport means comprises a protrusion that is associated with one of said bottom wall and said side wall.
- 4. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, wherein: said magazine transport means comprises an indentation that is associated with one of said bottom wall and said side wall.

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5. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 1, wherein: said magazine transport means comprises a pair of holes, with each of said pair of holes associated

with one of said bottom wall and said side wall.

6. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, wherein: said

magazine transport means comprises a pair of protrusions, with each of said pair of

protrusions associated with one of said bottom wall and said side wall.

7. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, wherein: said

magazine transport means comprises a pair of indentations, with each of said pair of

indentations associated with one of said bottom wall and said side wall.

8. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, further

comprising: an engaged/disengaged structure for use with a sensor that is used to determine if

a said magazine transport device associated with a said magazine-based data cartridge library

is engaged/disengaged to/from the data cartridge magazine.

9. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, further

comprising: a magazine orientation structure for ensuring that the data cartridge magazine has

a desired orientation within a said magazine-based data cartridge library.

10. (Currently Amended) A The data cartridge magazine, as claimed in claim 9, wherein: said

magazine orientation structure comprises an asymmetric structure this is asymmetric relative

to a plane that vertically bisects the data cartridge magazine.

11. (Currently Amended) A The data cartridge magazine, as claimed in claim 10, wherein:

said asymmetric structure comprises a pair of parallel rails.

12. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, further

comprising: a retaining structure for use in holding the data cartridge magazine in association

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with a shelf within a said magazine-based data cartridge library but releasing the data

cartridge magazine when a force is applied to the data cartridge magazine by a said magazine

transport device associated with the magazine-based data cartridge library.

13. (Currently Amended) A The data cartridge magazine, as claimed in claim 12, wherein:

said retaining structure comprises a notch for engaging a notch-engaging structure associated

with a said shelf.

14. (Currently Amended) A The data cartridge magazine, as claimed in claim 12, wherein:

said retaining structure comprises a detent for use in engaging a notch associated with a said

shelf.

15. (Currently Amended) A The data cartridge magazine, as claimed in claim 12, wherein:

said retaining structure comprises: a detent for engaging a notch associated with a said shelf;

and a spring for applying a force to said detent.

16. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, further

comprising: a data cartridge orientation structure associated with each of said slots to ensure

that when a one of said data cartridges is inserted into a one of said slots, the data cartridge

has a desired orientation.

17. (Canceled)

18. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, further

comprising: label means for use in identifying the data cartridge magazine.

19. (Currently Amended) A The data cartridge magazine, as claimed in claim 18, wherein:

said label means comprises an indentation in said side wall for accommodating a label for

identifying the magazine.

20. (Currently Amended) A The data cartridge magazine, as claimed in claim 18, wherein:

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said label means comprises: a first indentation in said side wall exterior surface for

accommodating a first label for identifying the magazine; and a second indentation in said

side wall exterior surface for accommodating a second label for identifying the magazine.

21. (Currently Amended) A The data cartridge magazine, as claimed in claim 20, wherein:

said side wall comprising a first wall and a second wall that is substantially parallel to said

first wall; wherein said first indentation is located in said first wall; and wherein said second

indentation is located on in said second wall.

22. (Currently Amended) A The data cartridge magazine, as claimed in claim 18, wherein:

said label means comprises a sleeve for holding a label.

23. (Currently Amended) A The data cartridge magazine, as claimed in claim 18, wherein:

said label means comprises a radio-frequency identifier.

24. (Currently Amended) A The data cartridge magazine, as claimed in claim 1, further

comprising: a label that identifies the data cartridge magazine and is attached to said box

structure at a location that is discernable by a label reader located within a said magazine-

based data cartridge library.

25. (Canceled)

26. (Currently Amended) A The data cartridge magazine, as claimed in claim 25-51, wherein:

said frame structure-said closed-loop side wall comprises: a first pair of parallel side surfaces;

and a second pair of parallel side surfaces that are perpendicular to said first pair of parallel

side surfaces.

27. (Canceled)

28. (Currently Amended) A The data cartridge magazine, as claimed in claim 25-51, wherein:

said magazine transport means comprises a at least one hole that is associated with said frame

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structure.

29. (Currently Amended) A The data cartridge magazine, as claimed in claim 25-51, wherein:

said magazine transport means comprises a at least one protrusion that is associated with said

frame structure.

30. (Currently Amended) A The data cartridge magazine, as claimed in claim 25-51, wherein:

said magazine transport means comprises an at least one indentation that is associated with

said frame structure.

31. (Canceled)

32. (Canceled)

33. (Canceled)

34. (Currently Amended) A The data cartridge magazine, as claimed in claim 25-51, further

comprising: an engaged/disengaged structure for use with a sensor that is used to determine if

a said magazine transport device associated with a said magazine-based data cartridge library

is engaged/disengaged to/from the data cartridge magazine.

35. (Currently Amended) A The data cartridge magazine, as claimed in claim 25-51, further

comprising: a magazine orientation structure for ensuring that the data cartridge magazine has

a desired orientation within a said magazine-based data cartridge library.

36. (Currently Amended) A The data cartridge magazine, as claimed in claim 35, wherein:

said magazine orientation structure comprises an asymmetric structure this is asymmetric

relative to a plane that vertically bisects the data cartridge magazine.

37. (Currently Amended) A The data cartridge magazine, as claimed in claim 36, wherein:

said asymmetric structure comprises a pair of parallel rails.

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38. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 25-51, further comprising: a retaining structure for use in holding said data cartridge magazine in association with a shelf within a <u>said</u> magazine-based data cartridge library but releasing the data cartridge magazine when a force is applied to the data cartridge magazine by a <u>said</u> magazine transport device associated with the magazine-based data cartridge library.

39. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 38, wherein: said retaining structure comprises a notch for engaging a notch-engaging structure associated with a <u>said</u> shelf.

40. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 38, wherein: said retaining structure comprises a detent for use in engaging a notch associated with a <u>said</u> shelf.

41. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 38, wherein: said retaining structure comprises: a detent for engaging a notch associated with a <u>said</u> shelf; and a spring for applying a force to said detent.

42. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim <u>25-51</u>, further comprising: a data cartridge orientation structure associated with each of said <u>plurality of</u> slots to ensure that when a <u>one of said data cartridges</u> is inserted in a <u>one of said plurality of</u> slots, the data cartridge is in a predetermined orientation.

43. (Canceled)

- 44. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 25-51, further comprising: label means for use in identifying the data cartridge magazine.
- 45. (Currently Amended) A The data cartridge magazine, as claimed in claim 44, wherein: said label means comprises an indentation located in a portion of said frame structure that

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magazine-based data cartridge library-system.

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would be considered a side wall when the data cartridge magazine has an operational orientation with respect to a shelf within a <u>said</u> magazine-based data cartridge library,

wherein said indentation is for accommodating a label for identifying the magazine.

46. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 44, wherein: said label means comprises: a first indentation located in a first portion of said frame structure; and a second indentation in a second portion of said frame structure that is separated from said first portion; wherein said first indentation is for accommodating a first label for identifying the magazine; wherein said second indentation is for accommodating a second label for identifying the magazine; wherein said first and second portions are each located on a section of said frame structure that would be considered a side wall when the data cartridge magazine has an operational orientation with respect to a shelf within a <u>said</u>

47. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 46, wherein: said first portion being located on a first side wall; and said second portion being located on a second side wall that is parallel to said first side wall.

48. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 44, wherein: said label means comprises a sleeve for holding a label.

- 49. (Currently Amended) A <u>The</u> data cartridge magazine, as claimed in claim 44, wherein: said label means comprises a radio-frequency identifier.
- 50. (Currently Amended) A The data cartridge magazine, as claimed in claim 25-51, further comprising: a label that identifies the data cartridge magazine and is attached to said frame structure at a location that is discernable by a label reader located within a said magazine-based data cartridge library.
- 51. (New) A data cartridge magazine for use with a magazine-based data cartridge library comprising:

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a frame structure comprising a closed-loop side wall which extends to a terminal edge

from an end attached to a bottom surface wherein said frame structure defines an interior

space;

a top opening to said interior space defined by said terminal edge where through data

cartridges are capable of being inserted and extracted;

a partitioning structure for dividing said interior space into a plurality of slots each

capable of accommodating one of said data cartridges;

said data cartridge magazine capable of being transported to and from a storage local

within said library by a magazine transport means wherein said magazine transport means is

adapted to be engaged by a portion of a magazine transport device associated with said

library.

52. (New) A method for using a data cartridge magazine in a magazine-based data cartridge

library comprising:

inserting a data cartridge in one of a plurality of accommodating slots comprised by said

magazine through an opening in said magazine wherein said magazine comprises a base

attached to a closed loop wall and wherein said magazine is only capable of receiving said

data cartridge from one direction;

transporting said magazine within said library with a magazine transport means adapted

to be engaged by a portion of a magazine transport device.

53. (New) The method of claim 52 wherein said closed loop wall comprises two pair of

substantially parallel surfaces.

54. (New) The method of claim 53 wherein said magazine base is substantially rectangular.

55. (New) The method of claim 53 wherein said closed loop wall comprises two pair of

substantially rectangular substantially parallel surfaces.

56. (New) The method of claim 52 further comprises moving said magazine to and from a

shelf of a shelf system within said library.

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57. (New) The method of claim 52 further comprising extracting said data cartridge from a resting position on said base in an orthogonal extracting direction from said base through said opening wherein said extracting path is opposite an insertion path in said inserting step.